

## INTERNATIONAL SEARCH REPORT

PCT/IB2004/052482

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H04Q7/36 H04B1/707

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/134639 A1 (KARGER STEPHAN) 17 July 2003 (2003-07-17) the whole document	1-14
A	US 2002/003782 A1 (PAN JUNG-LIN ET AL) 10 January 2002 (2002-01-10) paragraph '0021! - paragraph '0024!; figure 4	1-4, 6, 7, 9-13
A	PAN J-L ET AL: "Multibeam cellular communication systems with dynamic channel assignment" VEHICULAR TECHNOLOGY CONFERENCE, 1998. VTC 98. 48TH IEEE OTTAWA, ONT., CANADA 18-21 MAY 1998, NEW YORK, NY, USA, IEEE, US, vol. 3, 18 May 1998 (1998-05-18), pages 2140-2144, XP010288181 ISBN: 0-7803-4320-4 paragraph '000I!	5, 8, 14



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

15 April 2005

Date of mailing of the international search report

03/05/2005

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003134639 A1	17-07-2003	EP 1330137 A1	23-07-2003
		AT 280479 T	15-11-2004
		CN 1441617 A	10-09-2003
		DE 50201350 D1	25-11-2004
		DK 1330137 T3	29-11-2004
US 2002003782 A1	10-01-2002	AU 7324401 A	21-01-2002
		BR 0112563 A	29-07-2003
		CA 2414456 A1	17-01-2002
		CN 1526252 A	01-09-2004
		DE 01952502 T1	15-04-2004
		EP 1299956 A2	09-04-2003
		EP 1434455 A1	30-06-2004
		JP 2004503170 T	29-01-2004
		JP 2004260845 A	16-09-2004
		MX PA03000304 A	06-06-2003
		NO 20030107 A	07-03-2003
		TW 561763 B	11-11-2003
		WO 0205441 A2	17-01-2002